

**Abstract**

Arrangement for channel-associated dispersion compensation of a wavelength-division multiplex signal

In a common dispersion compensator (DCF0), a part-compensation of the wavelength-division multiplex (WDM) signal ( $S\lambda 1-8$ ) is initially effected. In a wavelength-division demultiplexer 2, the part-compensated WDM signal is split into individual part-compensated channel signals (ST1-ST8) which are converted into electrical signals and are compensated in filters (F1 to F8).

Figure 2